

**Notice of Allowability**

Application No.

10/757,489

Applicant(s)

PERSKI ET AL.

Examiner

Art Unit

Nitin Patel

2629

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 3/16/2007.
2. ☒ The allowed claim(s) is/are 1,2,5-15,17-38, 40-44,50-51.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 4/3/2006
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
NITIN I. PATEL  
PRIMARY EXAMINER

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Paul Fenster (Reg. No. 33,877) on 6/11/2007.

#### **The application has been amended as follows:**

I. Claim 1 has been replaced with following amended claim1.

A detector for providing position detection of a first kind together with position detection of a second kind, the detector comprising:

a sensor,

a patterned arrangement of sensing conductors extending within said sensor,

and

detection circuitry associated with said arrangement for detecting signals at same sensing conductors arising from said position detection of a first kind and signals arising from said position detection of a second kind, therefrom to detect positions at said sensor,

**wherein said position detection of a second kind comprises capacitive-based touch detection.**

II. Claim 3 has been cancelled.

III. Claim 4 has been cancelled.

IV. Claim 7 has been replaced with following amended claim 7.

The detector of claim 2, wherein said sensor is located over a detection region, and comprises at least one oscillator for providing an oscillating signal to said sensing conductors and to an excitation circuitry for providing an excitation signal capable of exciting an electromagnetic stylus-type object, wherein said patterned arrangement extends over said detection region, and wherein said detection circuitry is adapted for detecting the capacitive effect of a conductive object, such as finger touch, and signals from said stylus-type object at least one of the sensing conductors.

V. Claim 16 has been cancelled.

VI Claim 20 has been replaced with following amended claim 20.

The detector of claim 1, wherein said detector comprises a source of an oscillating electrical signal at a predetermined frequency, and detecting circuitry for detecting a capacitive influence on said at least one sensing conductor when said oscillating electrical signal is applied.

VII. Claim 23 has been replaced with following amended claim 23.

The detector of **claim 1**, configured to interpret a property of a signal detected at said at least one sensing conductor in terms of a number of touching conductive objects.

VIII. Claim 36 has been replaced with following amended claim 36.

The detector of claim 35 or **claim 51**, configured to update said compensation table upon system startup.

IX. Claim 37 has been replaced with following amended claim 37.

The detector of claim 35 or **claim 51**, configured to use ambiguous object detection as a trigger to refresh said compensation table.

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- X. Claim 39 has been cancelled.
- XI. Claim 45-49 has been cancelled.

### REASON FOR ALLOWANCE

- 3. Claims 1-2, 5-15, 17-38, 40-44, 50, 51 is allowed. Claims 3-4, 16, 39, 45-49 have been cancelled.

- 4. The following is an examiner's statement of reason for allowance:

The prior art fails to teach or suggest a detector for providing position detection of a first kind together with position detection of a second kind, the detector comprising:

a sensor,  
a patterned arrangement of sensing conductors extending within said sensor,  
and

detection circuitry associated with said arrangement for detecting signals at same sensing conductors arising from said position detection of a first kind and signals arising from said position detection of a second kind, therefrom to detect positions at said sensor,

wherein said position detection of a second kind comprises capacitive-based touch detection as claimed in claim 1.

- 5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

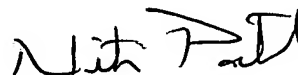
**Conclusion**

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H. Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nitin Patel  
Primary Examiner  
Art Unit 2629



NITIN I. PATEL  
PRIMARY EXAMINER